CRF Errors Corrected by the STIC Systems Branch

Serial Number: __09/756,301 B__ ~~ENTERED~~

CRF Processing Date: __1/30/2003__
Edited by: ___
Verified by: ___ (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically: _____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included: _____

☐ Deleted extra, invalid, headings used by an applicant, specifically: _____

☐ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically: _____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically: _____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other: _____
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

1600

RAW SEQUENCE LISTING   DATE: 01/30/2003
PATENT APPLICATION: **US/09/756,301B**   TIME: 12:29:57

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\01292003\I756301B.raw**

```
 3 <110> APPLICANT: Le, Junming
 4         Vilcek, Jan
 5         Daddona, Peter
 6         Ghrayeb, John
 7         Knight, David M.
 8         Siegel, Scott
10 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
11         Human Tumor Necrosis Factor
14 <130> FILE REFERENCE: 0975.1005-008
16 <140> CURRENT APPLICATION NUMBER: US 09/756,301B
17 <141> CURRENT FILING DATE: 2001-01-08
19 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
20 <151> PRIOR FILING DATE: 1998-08-12
22 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
23 <151> PRIOR FILING DATE: 1995-12-11
25 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
26 <151> PRIOR FILING DATE: 1994-10-18
28 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
29 <151> PRIOR FILING DATE: 1994-02-04
31 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
32 <151> PRIOR FILING DATE: 1994-02-04
34 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
35 <151> PRIOR FILING DATE: 1994-02-04
37 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
38 <151> PRIOR FILING DATE: 1993-01-29
40 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
41 <151> PRIOR FILING DATE: 1993-02-02
43 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
44 <151> PRIOR FILING DATE: 1992-09-11
46 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
47 <151> PRIOR FILING DATE: 1992-03-18
49 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
50 <151> PRIOR FILING DATE: 1991-03-18
52 <160> NUMBER OF SEQ ID NOS: 30
54 <170> SOFTWARE: FastSEQ for Windows Version 4.0
56 <210> SEQ ID NO: 1
57 <211> LENGTH: 157
60 <212> TYPE: PRT
61 <213> ORGANISM: Homo sapiens
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66 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
```

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67              20                  25                  30
68 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
69          35                  40                  45
70 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
71      50                  55                  60
72 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
73 65                  70                  75                  80
74 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
75                  85                  90                  95
76 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
77          100                 105                 110
78 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
79          115                 120                 125
80 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
81      130                 135                 140
82 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
83 145                 150                 155
86 <210> SEQ ID NO: 2
87 <211> LENGTH: 321
88 <212> TYPE: DNA
89 <213> ORGANISM: Mus Balb/c
91 <220> FEATURE:
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93 <222> LOCATION: (1)...(321)
95 <400> SEQUENCE: 2
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97 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
98 1                   5                   10                  15
100 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc   96
101 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
102             20                  25                  30
104 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata   144
105 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
106          35                  40                  45
108 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc   192
109 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
110      50                  55                  60
112 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct   240
113 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
114 65                  70                  75                  80
116 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc   288
119 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
120             85                  90                  95
122 acg ttc ggc tcg ggg aca aat ttg gaa gta aaa                       321
123 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
124             100                 105
127 <210> SEQ ID NO: 3
128 <211> LENGTH: 107
129 <212> TYPE: PRT
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130 <213> ORGANISM: Mus Balb/c
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135 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
136             20                  25                  30
137 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
138         35                  40                  45
139 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
140     50                  55                  60
141 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
142 65                  70                  75                  80
143 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
144                 85                  90                  95
145 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
146                 100                 105
149 <210> SEQ ID NO: 4
150 <211> LENGTH: 357
151 <212> TYPE: DNA
152 <213> ORGANISM: Mus Balb/c
154 <220> FEATURE:
155 <221> NAME/KEY: CDS
156 <222> LOCATION: (1)...(357)
158 <400> SEQUENCE: 4
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160 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
161 1               5                  10                  15
163 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac    96
164 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
165             20                  25                  30
167 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt   144
168 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
169         35                  40                  45
171 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag   192
172 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
173     50                  55                  60
175 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct   240
178 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
179 65                  70                  75                  80
181 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat   288
182 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
183                 85                  90                  95
185 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa   336
186 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
187                 100                 105                 110
189 ggc acc act ctc aca gtc tcc                                       357
190 Gly Thr Thr Leu Thr Val Ser
191         115
194 <210> SEQ ID NO: 5
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195 <211> LENGTH: 119
196 <212> TYPE: PRT
197 <213> ORGANISM: Mus Balb/c
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202 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
203             20                  25                  30
204 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
205         35                  40                  45
206 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
207     50                  55                  60
208 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
209 65                  70                  75                  80
210 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
211                 85                  90                  95
212 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
213             100                 105                 110
214 Gly Thr Thr Leu Thr Val Ser
215        115
218 <210> SEQ ID NO: 6
219 <211> LENGTH: 8
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
223 <400> SEQUENCE: 6
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225  1               5
228 <210> SEQ ID NO: 7
229 <211> LENGTH: 7
230 <212> TYPE: PRT
231 <213> ORGANISM: Homo sapiens
233 <400> SEQUENCE: 7
234 Gly Thr Lys Leu Glu Ile Lys
237  1               5
240 <210> SEQ ID NO: 8
241 <211> LENGTH: 20
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: PCR oligonucleotides
249 <400> SEQUENCE: 8
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253 <211> LENGTH: 27
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: PCR oligonucleotides
261 <400> SEQUENCE: 9
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RAW SEQUENCE LISTING   DATE: 01/30/2003
PATENT APPLICATION: US/09/756,301B   TIME: 12:29:57

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01292003\I756301B.raw

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262 cctggtacct tagtcaccgt ctcctca                         27
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265 <211> LENGTH: 27
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: PCR oligonucleotides
273 <400> SEQUENCE: 10
274 aatagatatc tccttcaaca cctgcaa                         27
276 <210> SEQ ID NO: 11
277 <211> LENGTH: 21
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: PCR oligonucleotides
285 <400> SEQUENCE: 11
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290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
296 <223> OTHER INFORMATION: PCR oligonucleotides
299 <400> SEQUENCE: 12
300 ggcggtctgg taccgg                                     16
302 <210> SEQ ID NO: 13
303 <211> LENGTH: 19
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: PCR oligonucleotides
311 <400> SEQUENCE: 13
312 gtcaacaaca tagtcatca                                  19
314 <210> SEQ ID NO: 14
315 <211> LENGTH: 23
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: PCR oligonucleotides
323 <400> SEQUENCE: 14
324 cacaggtgtg tccccaagga aaa                             23
326 <210> SEQ ID NO: 15
327 <211> LENGTH: 18
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: PCR oligonucleotides
336 <400> SEQUENCE: 15
337 aatctggggt aggcacaa                                   18
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VERIFICATION SUMMARY   DATE: 01/30/2003
PATENT APPLICATION: **US/09/756,301B**   TIME: 12:29:58

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\01292003\I756301B.raw**